

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: ) Group Art Unit: 2611  
John SANTHOFF ) Examiner: Sam K Ahn  
Serial No.: 10/772,013 ) Confirmation No.: 4091  
Filed: February 3, 2004 )  
For: OPTIMIZATION OF )  
ULTRA-WIDEBAND )  
COMMUNICATION )  
THROUGH A WIRE )  
MEDIUM )

Carlsbad, California  
April 9, 2007

MAIL STOP AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE TO OFFICE ACTION**

Dear Sir:

In response to the Office Action mailed October 10, 2006, the following amendments and remarks are submitted for the Examiner's consideration. Applicant notes that the deadline for filing a response to the Office Action has been extended by the enclosed Petition for Extension of time until April 10, 2007.